

ABSTRACT OF THE DISCLOSURE

A nuclear fusion reactor system includes a reactor core containing nuclear fusionable material and a plurality of conducting spheres arranged adjacent each other with at least two of said conducting spheres adjacent the reactor core. The reactor core and the conducting spheres form a electro/magnetic circuit such that fusion of fusionable material in the reactor core
5 establishes an electro/magnetic flow around the electro/magnetic circuit. Preferably, a spherical electromagnetic confinement field is initiated around the reactor core such that fusion of the nuclear fusionable material generates a plasma which interacts with the spherical electromagnetic confinement field in a magnethydrodynamic manner. Preferably, electrical energy is inductively extracted in response to the electro/magnetic flow through a coil
10 arrangement located around at least one of the conducting spheres.